

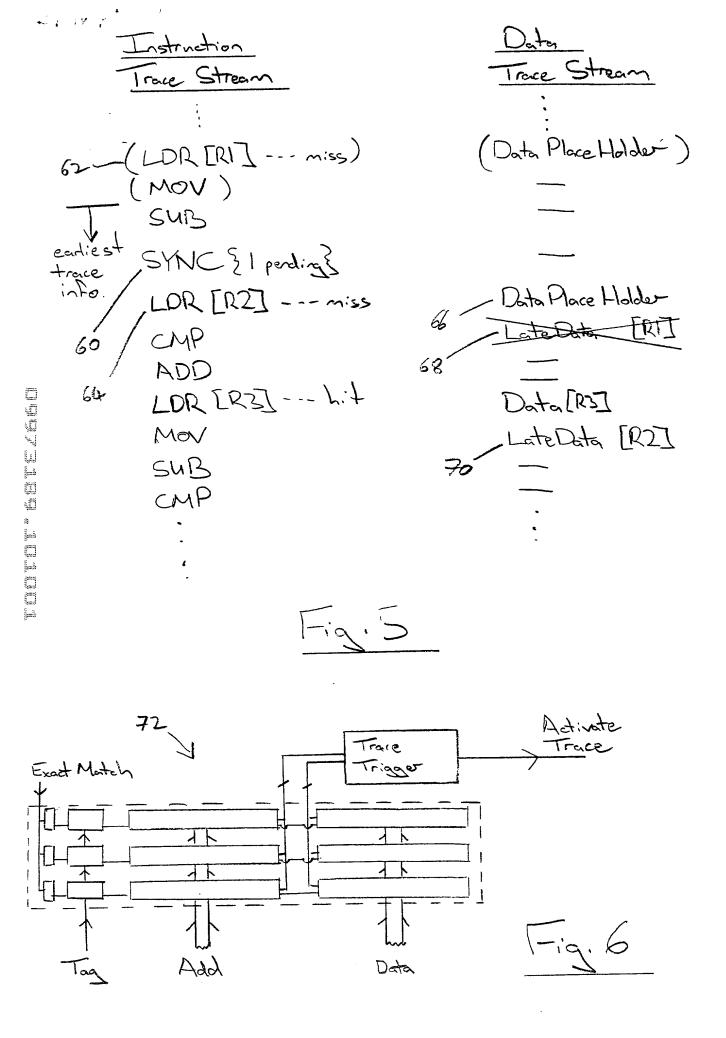
Hit/Miss Data Inst LDR [Rm] MOV Data [Rm] H:+ NA N/A CMP LOR[Rm] Mov CMP Miss N/A N/A Miss LDR[RZ] MOV CMP Miss AIN 28 — Data [R2] ANA N/A CICA

Fig. 2

Trace Stream 32 Data Place Holder Tag 1 LDR [R]-- miss MOV CMP Data [R2]

Data Place Holder Tag 2 LDRIRJ -- hit LDRIRJ -- miss 38 ADD 42 - Late Data Tag 2 [R3] 44 - Late Data Tag 1 [R1] MON SUB Fig. 3 Instruction Trace Stream Trace Stream

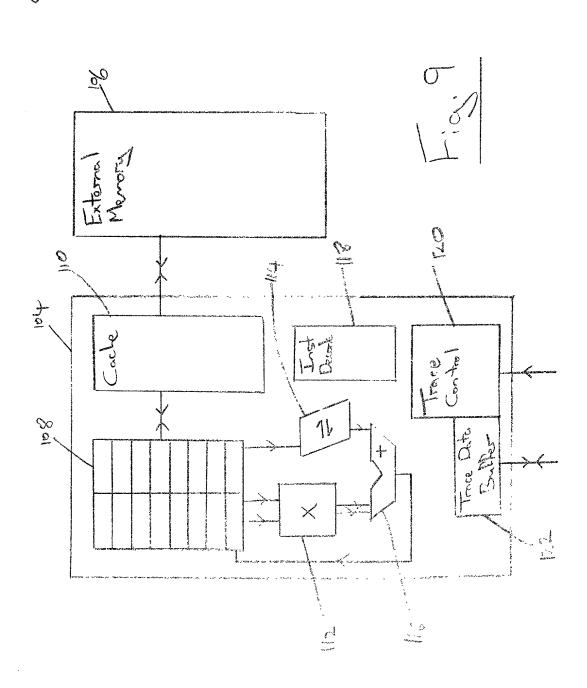
:
Data Place Holder Operding
48 LDR[R]--miss CMP ADO 52 Data Place Holder 1 perding
54 Late Data [RI] LOR[R]--hit so \_LDR[R3]-. miss SUB MOV SX - Onta Place Holder I perding S6 \_ LDRIRY- miss Late Oata [R3] Late Ota [RL]



Instruction	Data
Stream	Stream
\ \ \	
@ - LDR [RI]	ss —
74 CMP	Data [RI] - 1
	76
``	- —
	is. T

Exact Motch	Add Match	Data Match	Trace Activation Point
	✓	<b>√</b> .	
$\checkmark$		×	none
×	/		2
$\times$	/	×	2

Fig. 8



\* 1 to 1 to 1 to 1

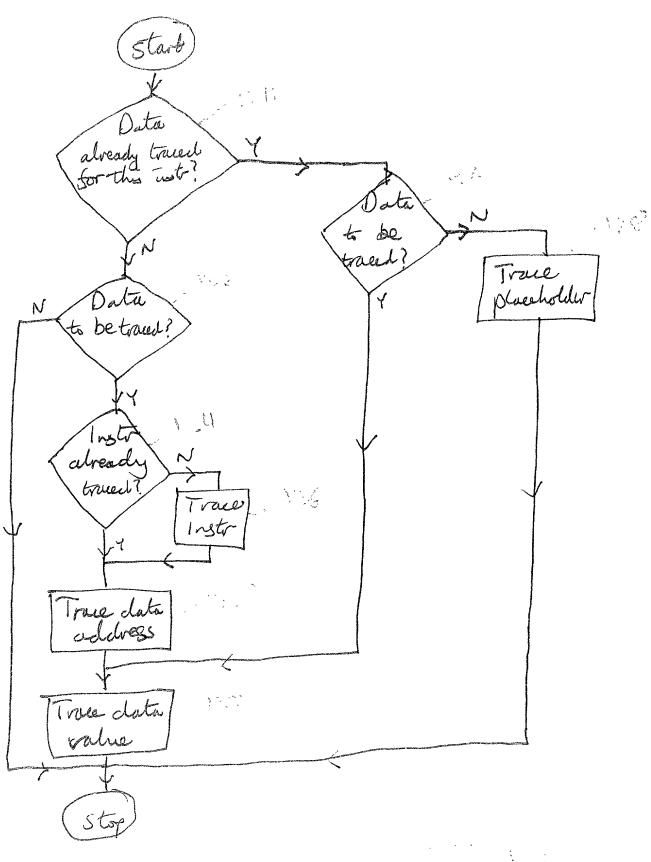
LSN RIGHT, Reglist

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Court book to RS

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trace. of register transfers in Examine LSM instruction L. 142 and count back to find register of first traced ch trace data